

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/009030

A. CLASSIFICATION OF SUBJECT MATTER			
IPC 7	H01Q1/24	H01Q9/04	H04M1/02
			H04B1/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01Q H04M H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 272 356 B1 (DOLMAN RODNEY A ET AL) 7 August 2001 (2001-08-07) column 5, line 24 - column 6, line 3; figure 3 -----	1,13
A	EP 1 329 981 A (SAMSUNG ELECTRONICS CO LTD) 23 July 2003 (2003-07-23) paragraphs '0016! - '0027!; figures 3-5 -----	1,13
A	US 5 561 437 A (KRENZ ERIC L ET AL) 1 October 1996 (1996-10-01) abstract; figure 1 -----	1,13
A	EP 1 107 352 A (NOKIA MOBILE PHONES LTD) 13 June 2001 (2001-06-13) paragraphs '0011! - '0017!; figure 1 ----- -/-	1,13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- °A° document defining the general state of the art which is not considered to be of particular relevance
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- °O° document referring to an oral disclosure, use, exhibition or other means
- °P° document published prior to the international filing date but later than the priority date claimed

- °T° later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- °Y° document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

1 October 2004

Date of mailing of the international search report

11/10/2004

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PCT/EP2004/009030

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 93/18591 A (MOTOROLA INC) 16 September 1993 (1993-09-16) page 3, line 14 – page 4, line 23; figure 1 -----	1,13

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Information on patent family members

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